

8-8-12

DIVIDING DECIMALS BY DECIMALS

STEPS:

- ① Make the divisor a whole # by moving the dec. pt. to the end (count the # of places it takes to get there).
- ② Move the dec. pt. in the dividend the same # of places

Ex: $4.6 \div 0.83$

$$0.83 \overline{) 4.60}$$

Ex: $0.053 \div 6.18$

$$6.18 \overline{) 0.053}$$

Ex: $2 \div 0.5$

$$0.5 \overline{) 2.0}$$

③ Follow the same steps when dividing decimals by whole #s.

Ex: $16.5 \div 5.5$

$$\begin{array}{r} 3. \\ 5.5 \overline{) 16.5} \\ \underline{- 16.5} \\ 0 \end{array}$$

$$\begin{array}{r} 55 \\ \times 3 \\ \hline 165 \end{array}$$

Ex: $0.312 \div 1.2$

$$\begin{array}{r} 26 \\ 1.2 \overline{) 0.312} \\ \underline{- 24} \\ 72 \\ \underline{- 72} \\ 0 \end{array}$$